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Taxonomic paper

A second update to the checklist of Finnish long-legged flies (Diptera: Dolichopodidae), with a re-evaluation of the status of *Hydrophorus callosoma* Frey, 1915

Jere Kahanpää †

† University of Helsinki, Helsinki, Finland

Corresponding author: Jere Kahanpää (jere.kahanpaa@helsinki.fi)

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Abstract

Eighteen species of long-legged flies (Dolichopodidae) are reported as new to Finland. A further species, *Microphorella praecox* (Loew), is confirmed as a Finnish species. The status of *Hydrophorus callosoma* Frey, 1915 is re-evaluated and a lectotype is designated for the species. *H. albosignatus* Ringdahl, 1919 is found to be a junior synonym of *H. callosoma* (**syn. n.**). Characters for identifying both sexes of *H. callosoma* and *H. altivagus* Aldrich are presented and illustrated with high-quality photographs.

Keywords

Diptera, Dolichopodidae, *Hydrophorus*, Finland, new synonym, lectotype designation, faunistics

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Introduction

The latest checklist of Finnish long-legged flies (Diptera: Dolichopodidae) was published nearly ten years ago (Kahanpää and Grichanov 2004). A single update paper was published soon afterwards (Kahanpää 2006). Additional dolichopodid species have since been reported from Finland by Kahanpää (2007), Kahanpää and Negrobov (2007) and Winqvist (2011).

This paper summarizes the changes that have occurred since the last update. A grand total of 18 species are added to the list of Finnish Dolichopodidae, bringing the total up to 264 species. The dolichopodid fauna of Finland is relatively well known, but at least 10-20 additional species can still be expected to occur in the country.

It should be noted that the former family Microphoridae, excluded from the previous national dolichopodid checklist but included in Kahanpää and Winqvist (2005), is now considered to be a subfamily of Dolichopodidae (Cumming and Brooks 2002).

Materials and methods

The material examined is stored in the Finnish Museum of Natural History, University of Helsinki (MZH) and the author's private collection.

Stack photographs of *Hydrophorus* specimens were taken using a Canon EOS digital camera and a Canon MP-E 65 mm macro lens. To create a final photograph, 35-40 exposures of each subject were combined using the CombineZ program (Hadley 2010).

Taxon treatments

Microphorella praecox (Loew, 1864)

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=129775

Material

a. scientificName: *Microphorella praecox*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1864); country: Finland; stateProvince: Ks; municipality: Kuusamo; locality: Jäkälämutka; verbatimCoordinates: 735797:361788; verbatimCoordinateSystem: ykj; decimalLatitude: 66.292; decimalLongitude: 29.623; geodeticDatum: WGS84; samplingProtocol: Malaise trap; eventDate: 2010-07-10/15; individualCount: 2; sex: females; recordedBy: Antti Haarto; otherCatalogNumbers: labelcode:AHa12-000675,AHa12-000674; identifiedBy: Antti Haarto; collectionCode: Priv. Coll. A. Haarto; basisOfRecord: PreservedSpecimen

Distribution

Scattered records across north and central Europe from Finland to Italy (Pollet 2013), although the discovery of the closely related *M. similis* Brooks & Ulrich, 2012 casts some doubt on old distribution data for *M. praecox* (Brooks and Ulrich 2012). The presence of *M. praecox* in Finland was considered doubtful by Kahanpää and Winqvist (2005). This new record confirms the presence of this species in Finland.

Hydrophorus callosoma Frey, 1915

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135810

Nomenclature

Hydrophorus wahlbergi var.(?) *callosoma* Frey 1915: 65 stat. rev.

Hydrophorus albosignatus Ringdahl 1919: 16 syn. nov.

Materials

Lectotype:

a. scientificName: *Hydrophorus callosoma*; originalNameUsage: *Hydrophorus wahlbergi* var. (?) *callosoma* Frey, 1915; namePublishedIn: Frey, R. (1915) Zur kenntnis der Dipterenfauna Finlands. III. Dolichopodidae. Acta Societatis pro Fauna et Flora Fennica 40, 1–80+3 pl. Available from: http://www.biodiversitylibrary.org/page/5571884.; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Russia; stateProvince: Murmansk district; municipality: Kandalaksha; verbatimLocality: Kantalaks; decimalLatitude: 67.20; decimalLongitude: 32.40; geodeticDatum: WGS84; eventDate: 1913-06-28; individualCount: 1; sex: female; recordedBy: Wolter Hellén; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

Paralectotype:

a. scientificName: *Hydrophorus altivagus*; originalNameUsage: *Hydrophorus wahlbergi* var. (?) *callosoma* Frey, 1915; namePublishedIn: Frey, R. (1915) Zur kenntnis der Dipterenfauna Finlands. III. Dolichopodidae. Acta Societatis pro Fauna et Flora Fennica 40, 1–80+3 pl. Available from: http://www.biodiversitylibrary.org/page/5571884.; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Aldrich, 1911; country: Russia; stateProvince: Republic of Karelia; municipality: Kem'; verbatimLocality: Kem; decimalLatitude: 64.96; decimalLongitude: 34.60; geodeticDatum: WGS84; eventDate: 1869-07-30; individualCount: 1; sex: female; recordedBy: John Sahlberg; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

Other materials:

a. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPe; municipality: Hailuoto; locality: Kirkkolahti; decimalLatitude: 65.00; decimalLongitude: 24.71; geodeticDatum: WGS84; coordinatePrecision: 3000; eventDate: 1947-07-16;

individualCount: 1; sex: male; recordedBy: Richard Frey; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

b. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPe; municipality: Hailuoto; locality: Kirkkolahti; decimalLatitude: 65.00; decimalLongitude: 24.71; geodeticDatum: WGS84; coordinatePrecision: 3000; eventDate: 1947-07-12; individualCount: 35; sex: 15 males, 20 females; recordedBy: Richard Frey; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

c. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPe; municipality: Hailuoto; locality: Kirkkolahti; decimalLatitude: 65.00; decimalLongitude: 24.71; geodeticDatum: WGS84; coordinatePrecision: 3000; eventDate: 1947-07-11; individualCount: 7; sex: 5 males, 2 females; recordedBy: Richard Frey; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

d. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Pietarsaari; decimalLatitude: 63.690; decimalLongitude: 22.670; geodeticDatum: WGS84; coordinatePrecision: 1000; eventDate: 1953-01-01/05-01; individualCount: 2; sex: 1 male, 1 female; recordedBy: Ragnar Storå; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

e. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Pedersöre; decimalLatitude: 63.650; decimalLongitude: 22.810; geodeticDatum: WGS84; coordinatePrecision: 20000; eventDate: 1953-05-01; individualCount: 1; sex: female; recordedBy: Ragnar Storå; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

f. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Pedersöre; decimalLatitude: 63.650; decimalLongitude: 22.810; geodeticDatum: WGS84; coordinatePrecision: 20000; eventDate: 1953-08-14; individualCount: 1; sex: female; recordedBy: Ragnar Storå; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

g. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Pietarsaari; decimalLatitude: 63.690; decimalLongitude: 22.670; geodeticDatum: WGS84; coordinatePrecision: 1000; eventDate: 1953-08-15; individualCount: 1; sex: male; recordedBy: Ragnar Storå; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

h. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Pietarsaari; decimalLatitude: 63.690; decimalLongitude: 22.670; geodeticDatum: WGS84; coordinatePrecision: 1000; eventDate: 1953-08-16; individualCount: 2; sex: males; recordedBy: Ragnar Storå; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/

HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

i. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Pietarsaari; decimalLatitude: 63.690; decimalLongitude: 22.670; geodeticDatum: WGS84; coordinatePrecision: 1000; eventDate: 1953-08-19; individualCount: 9; sex: 2 males, 7 females; recordedBy: Ragnar Storå; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

j. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Pietarsaari; decimalLatitude: 63.690; decimalLongitude: 22.670; geodeticDatum: WGS84; coordinatePrecision: 1000; eventDate: 1953-08-20; individualCount: 7; sex: 3 males, 4 females; recordedBy: Ragnar Storå; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

k. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Pietarsaari; decimalLatitude: 63.690; decimalLongitude: 22.670; geodeticDatum: WGS84; coordinatePrecision: 1000; eventDate: 1953-08-22; individualCount: 1; sex: female; recordedBy: Ragnar Storå; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

l. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Pietarsaari; decimalLatitude: 63.690; decimalLongitude: 22.670; geodeticDatum: WGS84; coordinatePrecision: 1000; eventDate: 1953-08-29; individualCount: 2; sex: 1 male, 1 female; recordedBy: Ragnar Storå; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

m. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Pietarsaari; decimalLatitude: 63.690; decimalLongitude: 22.670; geodeticDatum: WGS84; coordinatePrecision: 1000; eventDate: 1953-09-05; individualCount: 4; sex: 2 males, 2 females; recordedBy: Ragnar Storå; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

n. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Pietarsaari; decimalLatitude: 63.690; decimalLongitude: 22.670; geodeticDatum: WGS84; coordinatePrecision: 1000; eventDate: 1953-09-20; individualCount: 1; sex: female; recordedBy: Ragnar Storå; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

o. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPe; municipality: Hailuoto; locality: Santosenmatala; verbatimCoordinates: 72135:34085; verbatimCoordinateSystem: ykj; decimalLatitude: 65.006; decimalLongitude: 25.057; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: sweep netting; eventDate: 2005-06-04; individualCount: 1; sex: male; recordedBy: Jere Kahanpää;

otherCatalogNumbers: labelcode: jka-05-00377; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

p. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPe; municipality: Lumijoki; locality: Varjakka, Karinpää; verbatimCoordinates: 72031:34090; verbatimCoordinateSystem: ykj; decimalLatitude: 64.913; decimalLongitude: 25.075; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: sweep netting; eventDate: 2005-09-01; individualCount: 17; sex: 8 males, 9 females; recordedBy: Jere Kahanpää; otherCatalogNumbers: labelcode: jka-05-04568, 04566, 04595, 04596, 04573, 04570, -04575, -04583, -04588, -04578, -04569, jka-05-04581, jka-05-04582, jka-05-04584, jka-05-04577, jka-05-04567, jka-05-04574; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

q. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPe; municipality: Lumijoki; locality: Varjakka, Karinpää; verbatimCoordinates: 72031:34090; verbatimCoordinateSystem: ykj; decimalLatitude: 64.913; decimalLongitude: 25.075; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: sweep netting; eventDate: 2006-07-09; individualCount: 1; sex: male; recordedBy: Jere Kahanpää; otherCatalogNumbers: labelcode: jka06-02709; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

r. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Kalajoki; locality: Äijänsäikkä M2; verbatimCoordinates: 713499:334989; verbatimCoordinateSystem: ykj; decimalLatitude: 64.281; decimalLongitude: 23.897; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2005-06-03/07-03; individualCount: 1; sex: male; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

s. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Kalajoki; locality: Äijänsäikkä; verbatimCoordinates: 71355:33499; verbatimCoordinateSystem: ykj; decimalLatitude: 64.286; decimalLongitude: 23.897; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: sweep netting; eventDate: 2005-07-30; individualCount: 1; sex: male; recordedBy: Jere Kahanpää; otherCatalogNumbers: labelcode: jka-05-02637; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

t. scientificName: *Hydrophorus callosoma*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: KP; municipality: Kalajoki; locality: Kalajokisuu; verbatimCoordinates: 71350:33499; verbatimCoordinateSystem: ykj; decimalLatitude: 64.282; decimalLongitude: 23.898; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: sweep netting; eventDate: 2005-09-01; individualCount: 1; sex: female; recordedBy: Jere Kahanpää; otherCatalogNumbers: labelcode: jka-05-04561; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Diagnosis

Hydrophorus callosoma is externally most like *H. altivagus* Aldrich, 1911 (=*H. wahlgreni* Frey, 1915). Both sexes can be identified by the armature on fore femora: there is only a single short row of 6-13 small ventral spines in the basal third of the fore femur.

Anteroventral spines missing or at most 1-3 very short ones present (usually completely absent in females). *H. altivagus* has a row of strong anteroventral spines reaching the apical third of the femur in addition to the ventral spines. Other differences between the two species are tabulated in Table 1.

Table 1.

Character table for distinguishing *H. callosoma* Frey from *H. altivagus* Aldrich. See Figs 1, 2, 3 for illustrations of the characters.

character	***H.callosoma* Frey**	***H.altivagus* Aldrich**
face	wide, parallel-sided	narrower, broadened towards the clypeus
face, colour (males only)	silver, narrowly greenish under the antennae	green ground color obscured by silver only in the lower third-half
clypeus, shape	width of clypeus not much less than the height of face	width of clypeus clearly less than height of face
fore femur	one compact row of 6-13 ventral setae restricted to the basal third or half. Anteroventral setae missing or at lost 1-3 small, scattered ones	venrtal row with 3-8 sete in basal half. Anteroventral row of setae well developed, with 6-12 setae, reaching the apical third
wing color (females only)	wings almost transparent in both sexes	wing membrane faintly brownish esp. before vein M_{1+2}
spot above notopleural depression	white, round or oval in dorsal view	variable, usually small, dark to yellow, linear along notopleural suture. Never white and round
abdomen	lateral hairs of tergites 5 at let partially white in dorsal view. Usually also tergites 3-4 with partially pale lateral hairs	lateral hairs (in dorsal view) on tergites 3-5 black. Note that the ventral hairs on tergites are usually white.

Distribution

Sweden, Finland and North-Western Russia (Murmansk and Archangelsk Oblasts).

Taxon discussion

Richard Frey described *Hydrophorus callosoma* as a variety of on the basis of two female specimens. He did, however, express doubt about it's true status. The name has later been synonymed with *H. wahlberg* Frey, 1915 (Negrobov 1977), which in turn was synonymised with *H. altivagus* Aldrich, 1911 (Hurley 1985).

The type material of *H. callosoma* Frey consists of two females deposited in MZH. The lectotype (here designated), a female from Kantalaks (=Kandalaksha, Russia), is identical with *H. albosignatus* Ringdahl, 1919 (Figs 1c, 2c, 3c). Frey's second type specimen from Kem belongs to *H. altivagus*.

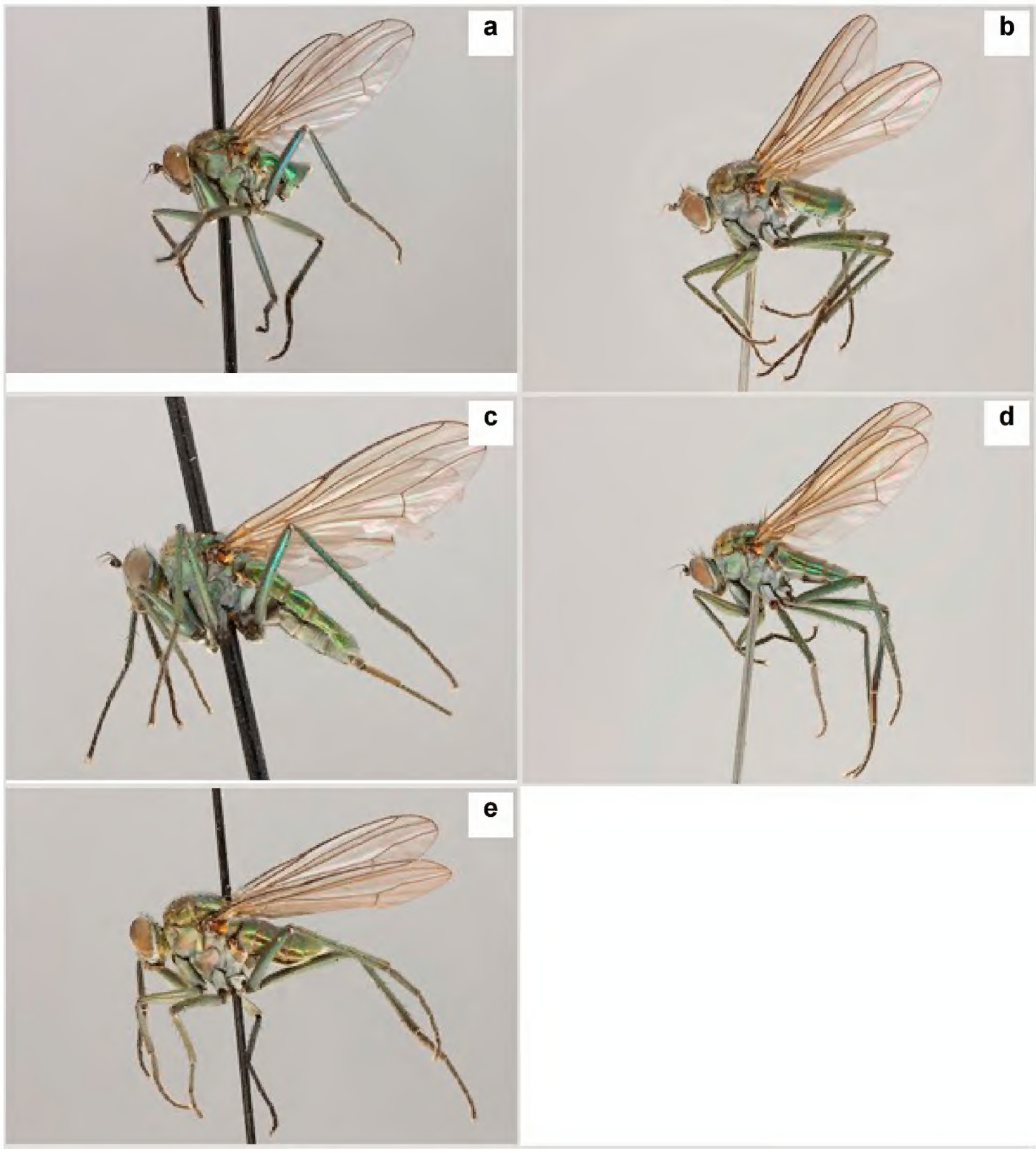

Figure 1.

Hydrophorus specimens, lateral view. Left column: *H. callosoma* Frey. Right column: *H. altivagus* Aldrich.

a: *Hydrophorus callosoma* Frey, male
b: *Hydrophorus altivagus* Aldrich, male
c: *Hydrophorus callosoma* Frey, female (lectotype of *H. callosoma* Frey)
d: *Hydrophorus altivagus* Aldrich, female
e: *Hydrophorus callosoma* Frey, female (paralectotype of *H. albosignatus* Ringdahl)

Figure 2.

Hydrophorus specimens, dorsal view. Left column: *H. callosoma* Frey. Right column: *H. altivagus* Aldrich.

a: *Hydrophorus callosoma* male
b: *Hydrophorus altivagus* male
c: *Hydrophorus callosoma* female (lectotype of *H. callosoma* Frey)
d: *Hydrophorus altivagus* female
e: *Hydrophorus callosoma* female (paralectotype of *H. albosignatus* Ringdahl)

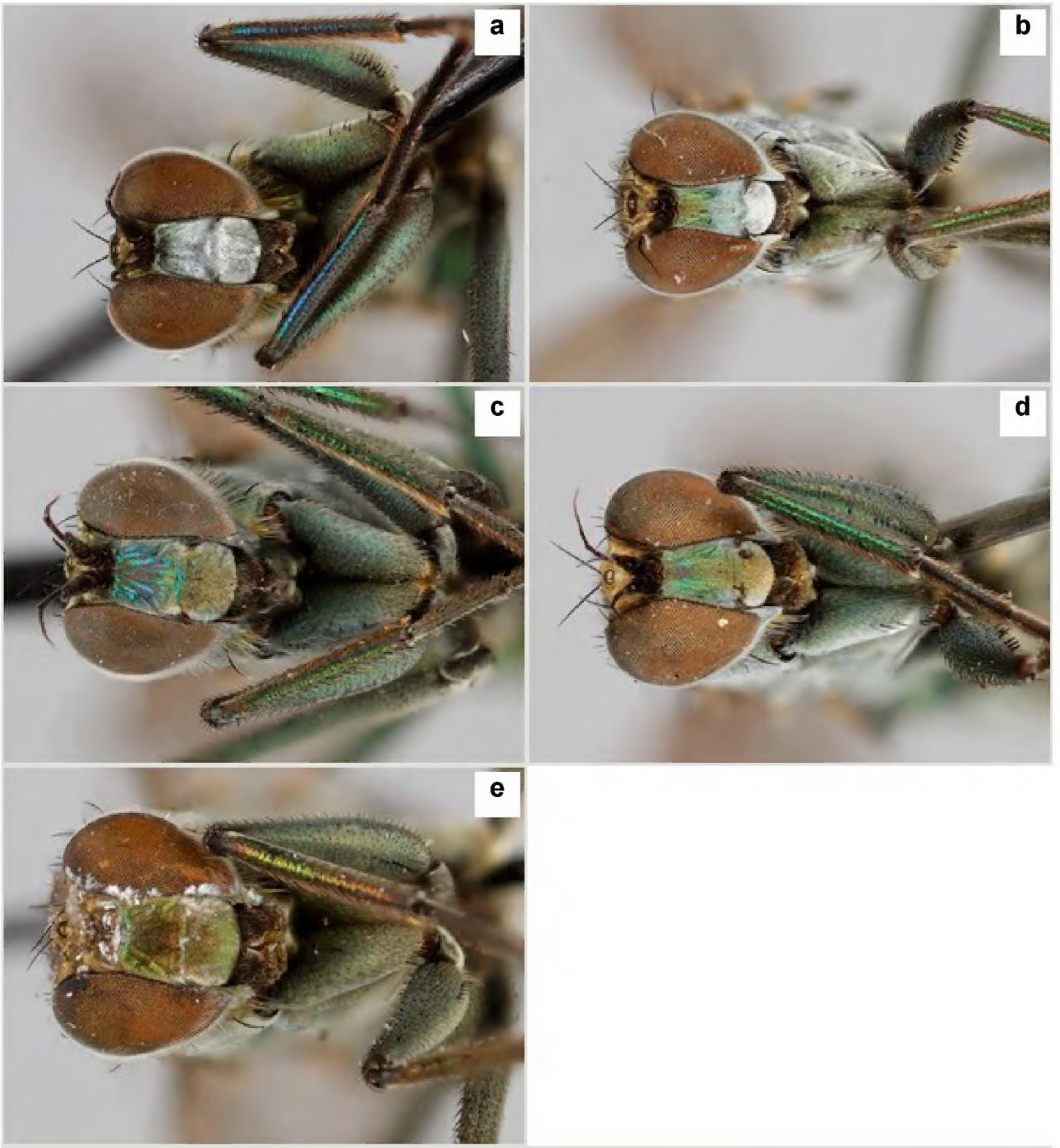

Figure 3.

Hydrophorus specimens, face and fore femora. Left column: *H. callosoma* Frey. Right column: *H. altivagus* Aldrich.

a: *H. callosoma* male
b: *H. altivagus* male
c: *H. callosom*a female (lectotype of *H. callosoma* Frey)
d: *H. altivagus* female
e: *H. callosoma* female (paralectotype of *H. albosignatus* Ringdahl)

Frey's *H. callosoma* type material was compared with a single female paralectotype of *H. albosignatus* Ringdahl, 1919 (see Figs 1e, 2e, 3e). It does match the Kantalaks specimen and the description of the male provided by Ringdahl, plus all available figures of the two species, clearly indicate that *H. albosignatus* Ringdahl is identical with *H. callosoma* of Frey.

The Kantalaks specimen is here designated as the lectotype of *H. callosoma* Frey, 1915. This choice is made because only this specimen does actually match Frey's original description "...near the previous species [=*H. wahlbergi*], from which is differs by its much more brilliant coloration and the pale hairs on the sides of the abdomen" (Frey 1915). The Kem specimen—like all specimens of both species—have pale hairs on the ventral margin of the tergites only. Because of the distortion of the abdomen of this dry-pinned female, the ventral hairs are visible when viewed from above.

H. callosoma Frey, 1915 is thus a senior synonym of *H. albosignatus* Ringdahl, 1919 and becomes the valid name for this species (syn. nov.).

Medetera belgica Parent, 1936

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135916

Materials

a. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: V; municipality: Turku; decimalLatitude: 60.5; decimalLongitude: 22.3; geodeticDatum: WGS84; individualCount: 1; sex: female; recordedBy: E. J. Bonsdorff; otherCatalogNumbers: labelcode: jka06-03068; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

b. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: V; municipality: Lohja; decimalLatitude: 60.2; decimalLongitude: 24.1; geodeticDatum: WGS84; individualCount: 2; sex: 1 male, 1 female; recordedBy: Richard Frey; otherCatalogNumbers: labelcode:jka06-03070, jka06-03067; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

c. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: V; municipality: Kiikala; decimalLatitude: 60.5; decimalLongitude: 23.6; geodeticDatum: WGS84; eventDate: 1980-06-22; individualCount: 1; sex: female; recordedBy: Anders Albrecht; otherCatalogNumbers: labelcode:jka06-03071; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

d. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: A; municipality: Jomala; locality: Björsby; verbatimCoordinates: 669627:311108; verbatimCoordinateSystem: ykj; decimalLatitude: 60.192; decimalLongitude: 19.978; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2007-04-22/06-17; individualCount: 1; sex: male; recordedBy: Olli Autio; Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

e. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: A; municipality: Saltvik; locality: Höckböle; verbatimCoordinates: 67164:31097;

verbatimCoordinateSystem: ykj; decimalLatitude: 60.370; decimalLongitude: 19.915; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: sweep netting; eventDate: 2007-06-13; individualCount: 1; sex: male; recordedBy: J. Kahanpää; otherCatalogNumbers: labelcode: jka07-03109; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

f. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: A; municipality: Sund; locality: Bredmossen; verbatimCoordinates: 670452:312546; verbatimCoordinateSystem: ykj; decimalLatitude: 60.279; decimalLongitude: 20.220; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2007-06-16/07-28; individualCount: 1; sex: male; recordedBy: Olli Autio; Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

g. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: A; municipality: Saltvik; locality: Långbergsöda; verbatimCoordinates: 670761:312132; verbatimCoordinateSystem: ykj; decimalLatitude: 60.302; decimalLongitude: 20.140; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2007-06-16/07-28; individualCount: 3; sex: 1 male, 2 females; recordedBy: Olli Autio; Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

h. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: U; municipality: Hanko; locality: Tvärminne, Spikarna; decimalLatitude: 59.811; decimalLongitude: 23.205; geodeticDatum: WGS84; coordinatePrecision: 300; eventDate: 1920-07-28; individualCount: 1; sex: male; recordedBy: Richard Frey; otherCatalogNumbers: labelcode:jka06-03074; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

i. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: U; municipality: Loviisa; locality: Rauhala; verbatimCoordinates: 6701979:8456973; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.452; decimalLongitude: 26.218; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2010-06-26; individualCount: 1; sex: male; recordedBy: Jari Flinck; otherCatalogNumbers: labelcode:JF10-2527; identifiedBy: Marc Pollet; collectionCode: Priv. Coll.J. Flinck; basisOfRecord: PreservedSpecimen

j. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: PK; municipality: Pietarsaari; verbatimCoordinateSystem: ykj; decimalLatitude: 63.7; decimalLongitude: 22.7; geodeticDatum: WGS84; eventDate: 1957-07-20; individualCount: 1; sex: male; recordedBy: Ragnar Storå; otherCatalogNumbers: labelcode:jka06-03072; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

k. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: ES; municipality: Joutseno; decimalLatitude: 61.1; decimalLongitude: 28.5; geodeticDatum: WGS84; eventDate: 1948-06-24; individualCount: 1; sex: female; recordedBy: Erik Thuneberg; otherCatalogNumbers: labelcode:jka06-03069; identifiedBy: Jere Kahanpää;

collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

l. scientificName: *Medetera belgica*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1936; country: Finland; stateProvince: EH; municipality: Lammi; decimalLatitude: 61.1; decimalLongitude: 25.0; geodeticDatum: WGS84; eventDate: 1955-07-31; individualCount: 1; sex: male; recordedBy: Lauri Tiensuu; otherCatalogNumbers: labelcode:jka06-03073; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Global distribution poorly known due to confusion with *M. muralis* (Fallén, 1823) (Pollet 2013).

Taxon discussion

Medetera belgica was based on a single female Parent 1936. Negrobov and Stackelberg 1972 redescribed the species based on male specimens from the Kola Peninsula in Russia, some 2,500 km away, without studying the holotype of *M. belgica*. It is certainly possible that the Finnish specimens identified as *M. belgica* sensu Negrobov are not conspecific with Parent's original types. *M. belgica* was synonymised with *M. muralis* by Grichanov (2002), but this synonymy has been disputed (Pollet 2013). In Finnish material the leg colour characters and differences in male genitalia between the two species (*M. muralis* and *M. belgica* sensu Negrobov) are well defined and constant.

Medetera fumida Negrobov, 1967

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135944

Material

a. scientificName: *Medetera fumida*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Negrobov, 1967; country: Finland; stateProvince: U; municipality: Pukkila; locality: Venunmetsä; verbatimCoordinates: 67284:34159; verbatimCoordinateSystem: ykj; decimalLatitude: 60.658; decimalLongitude: 25.460; geodeticDatum: WGS84; coordinatePrecision: 1000; samplingProtocol: sweep netting; eventDate: 2011-06-11; individualCount: 2; sex: males; recordedBy: Jere Kahanpää; otherCatalogNumbers: labelcode:jka11-00182; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Previously known from Estonia and Russia (Negrobov 1991, Grichanov 2002b).

Medetera prjachinae Negrobov & Stackelberg, 1974

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=136007

Material

a. scientificName: *Medetera prjachinae*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Negrobov & Stackelberg, 1974; country: Finland; stateProvince: U; municipality: Pukkila; locality: Venunmetsä; verbatimCoordinates: 67284:34159; verbatimCoordinateSystem: ykj; decimalLatitude: 60.658; decimalLongitude: 25.460; geodeticDatum: WGS84; coordinatePrecision: 1000; samplingProtocol: sweep netting; eventDate: 2011-06-11; individualCount: 1; sex: male; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Previously known from Russia (Archangelsk Oblast) and Estonia (Negrobov 1991, Grichanov 2002b).

Medetera seguyi Parent, 1926

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=136015

Materials

a. scientificName: *Medetera seguyi*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1926; country: Finland; stateProvince: EH; municipality: Lammi; locality: Kotisten aarnialue; verbatimCoordinates: 6794055:3396410; verbatimCoordinateSystem: ykj; decimalLatitude: 61.241; decimalLongitude: 25.067; geodeticDatum: WGS84; samplingProtocol: emergence trap; eventDate: 2006-05-22/06-27; individualCount: 7; sex: 5 males, 1 female; recordedBy: Jevgeni Jakovlev; Jouni Penttinen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

b. scientificName: *Medetera seguyi*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1926; country: Finland; stateProvince: EH; municipality: Lammi; locality: Kotisten aarnialue A4; verbatimCoordinates: 6794369:3396424; verbatimCoordinateSystem: ykj; decimalLatitude: 61.244; decimalLongitude: 25.068; geodeticDatum: WGS84; samplingProtocol: emergence trap; eventDate: 2006-06-28/08-02; individualCount: 1; sex: male; recordedBy: Jevgeni Jakovlev; Jouni Penttinen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

c. scientificName: *Medetera seguyi*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1926; country: Finland; stateProvince: EH; municipality: Lammi; locality: Kotinen AB-2-I; decimalLatitude: 61.24; decimalLongitude: 25.06; geodeticDatum: WGS84; samplingProtocol: emergence trap; eventDate: 2006-05-24/06-27; individualCount: 11; sex: 6 males, 5 females; recordedBy: Jevgeni Jakovlev; Jouni Penttinen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

d. scientificName: *Medetera seguyi*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1926; country: Finland; stateProvince: U; municipality: Lapinjärvi; locality: 2-II,III,IV,V; decimalLatitude: 60.6; decimalLongitude: 26.2; geodeticDatum: WGS84; samplingProtocol: emergence trap; eventDate: 2005-06-30/09-27; individualCount: 2; sex: 2 males; recordedBy: Jevgeni Jakovlev; Jouni Penttinen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

e. scientificName: *Medetera seguyi*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1926; country: Finland; stateProvince: U; municipality: Lapinjärvi; locality: 2-II,III,IV,V; decimalLatitude: 60.6; decimalLongitude: 26.2; geodeticDatum: WGS84; samplingProtocol: emergence trap; eventDate: 2005-04-25/06-30; individualCount: 3; sex: 3 males; recordedBy: Jevgeni Jakovlev; Jouni Penttinen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

f. scientificName: *Medetera seguyi*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1926; country: Finland; stateProvince: U; municipality: Lapinjärvi; locality: 3-I; decimalLatitude: 60.6; decimalLongitude: 26.2; geodeticDatum: WGS84; samplingProtocol: emergence trap; eventDate: 2005-04-25/06-30; individualCount: 2; sex: 1 male, 1 female; recordedBy: Jevgeni Jakovlev; Jouni Penttinen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

g. scientificName: *Medetera seguyi*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Parent, 1926; country: Finland; stateProvince: EH; municipality: Lammi; locality: Kotinen 12-II; decimalLatitude: 61.24; decimalLongitude: 25.06; geodeticDatum: WGS84; samplingProtocol: emergence trap; eventDate: 2005-06-10/30; individualCount: 2; sex: 2 males; recordedBy: Jevgeni Jakovlev; Jouni Penttinen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Previously reported from Norway, Belgium, Switzerland, France, south Russia (Negrobov 1991, Naglis 2009, Pollet 2013), but this taxon might involve a group of closely related species.

Medetera zinovjevi Negrobov, 1967

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=136039

Materials

a. scientificName: *Medetera zinovjevi*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Negrobov, 1967; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Syväoja; verbatimCoordinates: 7299627:3560581; verbatimCoordinateSystem: ykj; decimalLatitude: 65.785; decimalLongitude: 28.319; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 1; sex: male; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

b. scientificName: *Medetera zinovjevi*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Negrobov, 1967; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Kylmäoja; verbatimCoordinates: 7275293:3554865; verbatimCoordinateSystem: ykj; decimalLatitude: 65.568; decimalLongitude: 28.185; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 1; sex: male; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Previously known from Russia, Estonia, Lithuania and Norway (Negrobov 1991, Jonassen 1998, Grichanov 2002, Pakalniškis et al. 2006).

Dolichopus annulitarsis Ringdahl, 1920

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135463

Material

a. scientificName: *Dolichopus annulitarsis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1920; country: Finland; stateProvince: EnL; municipality: Enontekiö; locality: Kilpisjärvi, Urtasjoki; verbatimCoordinates: 769206:326363; verbatimCoordinateSystem: ykj; decimalLatitude: 69.206; decimalLongitude: 21.024; geodeticDatum: WGS84; eventDate: 2009-07-09/15; individualCount: 1; sex: male; recordedBy: Antti Haarto; otherCatalogNumbers: labelcode:AHa12-000157; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. A. Haarto; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. A rare species previously known from Sweden and Alaska (Ringdahl 1920, Pollet 2013).

Dolichopus cilifemoratus Macquart, 1827

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135484

Nomenclature

= *Dolichopus cilifemoratus* Macquart, 1827

= *Dolichopus pseudocilifemoratus* Stackelberg, 1930

Material

a. scientificName: *Dolichopus cilifemoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Macquart, 1827; country: Finland; stateProvince: A; municipality: Eckerö; locality: Holmträsket; verbatimCoordinates: 670517:309246; verbatimCoordinateSystem: ykj; decimalLatitude: 60.253; decimalLongitude: 19.627;

geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2007-06-15/07-27; individualCount: 1; sex: male; recordedBy: Olli Autio; Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Widespread in Europe, but many records should be confirmed due to the frequent misuse of this name for *Dolichopus trivialis* Haliday, 1832 (Pollet 2013).

Taxon discussion

This name has a confused history of use, which can be traced back to von Stackelberg (1930), who erroneously synonymised Macquart's *cilifemoratus* with the species now called *D. trivialis* Haliday, 1832. He then created a new name, *pseudocilifemoratus* Stackelberg, 1930. Subsequent authors have often repeated Stackelberg's mistake. This record represents the first time the genuine *D. cilifemoratus* of Macquart is found in Finland.

Dolichopus costalis Frey, 1915

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135495

Materials

a. scientificName: *Dolichopus costalis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Karhakkamaanjänkä; verbatimCoordinates: 7346254:3415785; verbatimCoordinateSystem: ykj; decimalLatitude: 66.197; decimalLongitude: 25.127; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2004-05-29/06/28; individualCount: 3; sex: 2 males, 1 female; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

b. scientificName: *Dolichopus costalis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Keskipalo; verbatimCoordinates: 7344806:3415122; verbatimCoordinateSystem: ykj; decimalLatitude: 66.184; decimalLongitude: 25.113; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2004-05-29/06/28; individualCount: 2; sex: 1 male, 1 female; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

c. scientificName: *Dolichopus costalis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Hirviaapa; verbatimCoordinates: 7347499:3418464; verbatimCoordinateSystem: ykj; decimalLatitude: 66.209; decimalLongitude: 25.185; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2004-05-29/06/28; individualCount: 2; sex: males; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

d. scientificName: *Dolichopus costalis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Mulkosilmälampi; verbatimCoordinates: 7348838:3408017; verbatimCoordinateSystem: ykj; decimalLatitude: 66.218; decimalLongitude: 24.953; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2004-05-29/06/28; individualCount: 1; sex: female; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
e. scientificName: *Dolichopus costalis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Hirviaapa; verbatimCoordinates: 7347499:3418464; verbatimCoordinateSystem: ykj; decimalLatitude: 66.209; decimalLongitude: 25.185; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 1; sex: male; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
f. scientificName: *Dolichopus costalis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Karhakkamaanjänkä; verbatimCoordinates: 7346254:3415785; verbatimCoordinateSystem: ykj; decimalLatitude: 66.197; decimalLongitude: 25.127; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 5; sex: 3 males, 2 females; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
g. scientificName: *Dolichopus costalis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Keskipalo; verbatimCoordinates: 7344806:3415122; verbatimCoordinateSystem: ykj; decimalLatitude: 66.184; decimalLongitude: 25.113; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 1; sex: male; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
h. scientificName: *Dolichopus costalis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Mulkosilmälampi; verbatimCoordinates: 7348838:3408017; verbatimCoordinateSystem: ykj; decimalLatitude: 66.218; decimalLongitude: 24.953; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 1; sex: female; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
i. scientificName: *Dolichopus costalis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Hirviaapa; verbatimCoordinates: 7347499:3418464; verbatimCoordinateSystem: ykj; decimalLatitude: 66.209; decimalLongitude: 25.185; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: sweep netting; eventDate: 2006-07-08; individualCount: 1; sex: male; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
j. scientificName: *Dolichopus costalis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Frey, 1915; country: Finland; stateProvince: PPp; municipality:

Tervola; locality: Mulkosilmälampi; verbatimCoordinates: 734884:340802; verbatimCoordinateSystem: ykj; decimalLatitude: 66.219; decimalLongitude: 24.953; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: sweep netting; eventDate: 2006-07-09; individualCount: 1; sex: male; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to (present-day) Finland. Previously recorded as Finnish based on specimens from areas ceded to Russia after the second world war (Kahanpää and Grichanov 2004). Also reported from Sweden, northern Russia, Mongolia and (doubtfully) in the Oriental region (Frey 1915, Grichanov 2002, Pollet 2013).

Biology

A species of eutrophic calcareous spring-fed fens in northern Finland.

Dolichopus lancearius Hedström, 1966

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135529

Materials

a. scientificName: *Dolichopus lancearius*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Hedström, 1966; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Ruuttulampi III; verbatimCoordinates: 7347734:3409699; verbatimCoordinateSystem: ykj; decimalLatitude: 66.209; decimalLongitude: 24.991; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 3; sex: 2 males, 1 female; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

b. scientificName: *Dolichopus lancearius*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Hedström, 1966; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Hirviaapa; verbatimCoordinates: 7347499:3418464; verbatimCoordinateSystem: ykj; decimalLatitude: 66.209; decimalLongitude: 25.185; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 3; sex: 3 females; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

c. scientificName: *Dolichopus lancearius*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Hedström, 1966; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Karhakkamaa; verbatimCoordinates: 7346879:3415620; verbatimCoordinateSystem: ykj; decimalLatitude: 66.203; decimalLongitude: 25.123; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 1; sex: female; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

d. scientificName: *Dolichopus lancearius*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Hedström, 1966; country: Finland; stateProvince: PPp;

municipality: Tervola; locality: Karhakkamaanjänkä; verbatimCoordinates: 7346254:3415785; verbatimCoordinateSystem: ykj; decimalLatitude: 66.197; decimalLongitude: 25.127; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 2; sex: 1 male, 1 female; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Also known from Sweden, Norway and Asian Russia (Hedström 1966, Grichanov 2006, Negrobov et al. 2010, Pollet 2013).

Dolichopus nigripes Fallén, 1823

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135572

Materials

a. scientificName: *Dolichopus nigripes*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Fallén, 1823; country: Finland; stateProvince: U; municipality: Nurmijärvi; locality: Lallinsuo; verbatimCoordinates: 6700928:3372711; verbatimCoordinateSystem: ykj; decimalLatitude: 60.399; decimalLongitude: 24.688; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: pan trap (white); eventDate: 2007-05-23/04-07; individualCount: 1; sex: male; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

b. scientificName: *Dolichopus nigripes*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Fallén, 1823; country: Finland; stateProvince: V; municipality: Karjaa; locality: Långån; verbatimCoordinates: 6665901:3321021; verbatimCoordinateSystem: ykj; decimalLatitude: 60.066; decimalLongitude: 23.782; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2007-05-29/07-10; individualCount: 2; sex: 1 male, 1 female; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Widespread in Europe north of the Alps (Pollet 2013).

Sybistroma discipes (Germar, 1817)

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=136349

Material

a. scientificName: *Sybistroma discipes*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Germar, 1817); country: Finland; stateProvince: U; municipality: Espoo; locality: Siikajärvi; verbatimCoordinates: 6686:3363; verbatimCoordinateSystem: ykj; decimalLatitude: 60.27; decimalLongitude: 24.53; geodeticDatum: WGS84; eventDate: 2012-08-20; individualCount: 1; sex: male;

recordedBy: Jussi Koistinen; otherCatalogNumbers: labelcode:JKo12-00194; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Widespread in Europe, also known from the Near East (Pollet 2013).

Argyra setulipes Becker, 1918

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135240

Material

a. scientificName: *Argyra setulipes*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Becker, 1918; country: Finland; stateProvince: U; municipality: Siuntio; locality: Lempansån; verbatimCoordinates: 6681386:3341378; verbatimCoordinateSystem: ykj; decimalLatitude: 60.213; decimalLongitude: 24.135; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: Malaise trap; eventDate: 2007-06-08/07-10; individualCount: 4; sex: males; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. An east European species, previously recorded from Austria, Hungary, European Russia and Ukraine (Pollet 2013).

Biology

Caught on the silt banks of a small stream in a herb-rich forest.

Asyndetus latifrons (Loew, 1857)

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135254

Materials

a. scientificName: *Asyndetus latifrons*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1857); country: Finland; stateProvince: U; municipality: Loviisa; locality: Kuggom, sand pit; verbatimCoordinates: 67060:84548; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.488; decimalLongitude: 26.178; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: sweep netting; eventDate: 2010-07-15; individualCount: 1; sex: female; recordedBy: Jari Flinck; otherCatalogNumbers: labelcode: JF10-4448; identifiedBy: Marc Pollet; basisOfRecord: PreservedSpecimen

b. scientificName: *Asyndetus latifrons*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1857); country: Finland; stateProvince: U; municipality: Loviisa; locality: Kuggum, mossen; verbatimCoordinates: 6706975:8454413; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.496; decimalLongitude:

26.170; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2011-07-1/5; individualCount: 19; sex: 10 males, 9 females; recordedBy: Jari Flinck; otherCatalogNumbers: labelcode: Tube 11/2; identifiedBy: Marc Pollet; basisOfRecord: PreservedSpecimen

c. scientificName: *Asyndetus latifrons*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1857); country: Finland; stateProvince: U; municipality: Loviisa; locality: Kuggom, sand pit; verbatimCoordinates: 67060:84548; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.488; decimalLongitude: 26.178; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: pan trap; eventDate: 2011-07-02; individualCount: 1; sex: male; recordedBy: Jari Flinck; otherCatalogNumbers: labelcode: JF11-0875; identifiedBy: Stefan Naglis; basisOfRecord: PreservedSpecimen

d. scientificName: *Asyndetus latifrons*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1857); country: Finland; stateProvince: U; municipality: Loviisa; locality: Kuggom, sand pit; verbatimCoordinates: 67060:84548; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.488; decimalLongitude: 26.178; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: pan trap; eventDate: 2011-07-02; individualCount: 1; sex: male; recordedBy: Jari Flinck; otherCatalogNumbers: labelcode: JF11-0883; identifiedBy: Marc Pollet; basisOfRecord: PreservedSpecimen

e. scientificName: *Asyndetus latifrons*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1857); country: Finland; stateProvince: U; municipality: Loviisa; locality: Kuggom, sand pit; verbatimCoordinates: 67060:84548; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.488; decimalLongitude: 26.178; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: pan trap; eventDate: 2011-07-02; individualCount: 1; sex: female; recordedBy: Jari Flinck; otherCatalogNumbers: labelcode: Tube 11/1; identifiedBy: Marc Pollet; basisOfRecord: PreservedSpecimen

f. scientificName: *Asyndetus latifrons*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1857); country: Finland; stateProvince: U; municipality: Loviisa; locality: Kuggom, sand pit; verbatimCoordinates: 67060:84548; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.488; decimalLongitude: 26.178; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: pan trap; eventDate: 2011-07-02; individualCount: 1; sex: male; recordedBy: Jari Flinck; otherCatalogNumbers: labelcode: JF11-0887; identifiedBy: Marc Pollet; basisOfRecord: PreservedSpecimen

g. scientificName: *Asyndetus latifrons*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1857); country: Finland; stateProvince: U; municipality: Loviisa; locality: Kuggom, sand pit; verbatimCoordinates: 67060:84548; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.488; decimalLongitude: 26.178; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: pan trap; eventDate: 2011-07-06/07; individualCount: 4; sex: 3 males, 1 female; recordedBy: Jari Flinck; otherCatalogNumbers: labelcode: Tube 11/4; identifiedBy: Marc Pollet; basisOfRecord: PreservedSpecimen

h. scientificName: *Asyndetus latifrons*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1857); country: Finland; stateProvince: U; municipality: Loviisa; locality: Kuggom, sand pit; verbatimCoordinates: 67060:84548; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.488; decimalLongitude: 26.178; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: pan trap; eventDate: 2011-07-08/09; individualCount: 13; sex: 9 males, 4 females; recordedBy: Jari

Flinck; otherCatalogNumbers: labelcode: Tube 11/3; identifiedBy: Marc Pollet; basisOfRecord: PreservedSpecimen

i. scientificName: *Asyndetus latifrons*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1857); country: Finland; stateProvince: U; municipality: Loviisa; locality: Kuggom, sand pit; verbatimCoordinates: 67060:84548; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.488; decimalLongitude: 26.178; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: pan trap; eventDate: 2011-07-10/11; individualCount: 2; sex: females; recordedBy: Jari Flinck; otherCatalogNumbers: labelcode: Tube 11/5; identifiedBy: Marc Pollet; basisOfRecord: PreservedSpecimen

j. scientificName: *Asyndetus latifrons*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1857); country: Finland; stateProvince: U; municipality: Loviisa; locality: Trollberget; verbatimCoordinates: 670314:845904; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.462; decimalLongitude: 26.255; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: pan trap; eventDate: 2011-07-11/13; individualCount: 9; sex: 6 males, 3 females; recordedBy: Jari Flinck; otherCatalogNumbers: labelcode: Tube 11/6; identifiedBy: Marc Pollet; basisOfRecord: PreservedSpecimen

k. scientificName: *Asyndetus latifrons*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Loew, 1857); country: Finland; stateProvince: U; municipality: Helsinki; locality: Herttoniemi, Fastholma; verbatimCoordinates: 6675935:8390477; verbatimCoordinateSystem: etrs-tm35fin; decimalLatitude: 60.205; decimalLongitude: 25.024; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2011-09-10/17; individualCount: 3; sex: 2 males, 1 female; recordedBy: Jari Flinck; otherCatalogNumbers: labelcode: Tube 11/19; identifiedBy: Marc Pollet; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Widespread in Europe reaching the Near East and Siberia (Pollet 2013).

Chrysotus cupreus (Macquart, 1827)

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135341

Material

a. scientificName: *Chrysotus cupreus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Macquart, 1827); country: Finland; stateProvince: A; municipality: Lemland; locality: Näsen; verbatimCoordinates: 66751:31171; verbatimCoordinateSystem: ykj; decimalLatitude: 60.009; decimalLongitude: 20.126; geodeticDatum: WGS84; coordinatePrecision: 300; eventDate: 2007-06-15; individualCount: 3; sex: 2 males, 1 female; recordedBy: Jere Kahanpää; otherCatalogNumbers: labelcode: jka07-01767, jka07-01794, jka07-01766; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Widespread in Europe, reaching the Middle East (Pollet 2013).

Campsicnemus femoratus Ringdahl, 1949

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135291

Materials

a. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Kuusamo; locality: Paahtojärvi; verbatimCoordinates: 7347004:3614371; verbatimCoordinateSystem: ykj; decimalLatitude: 66.195; decimalLongitude: 29.535; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2005-05-23/06-20; individualCount: 5; sex: 4 males, 1 female; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

b. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Kuusamo; locality: Isojärvenpuro; verbatimCoordinates: 7357735:3608139; verbatimCoordinateSystem: ykj; decimalLatitude: 66.293; decimalLongitude: 29.406; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2005-05-23/06-20; individualCount: 1; sex: female; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

c. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Kuusamo; locality: Saaripuro; verbatimCoordinates: 7357336:3611517; verbatimCoordinateSystem: ykj; decimalLatitude: 66.288; decimalLongitude: 29.481; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2005-05-23/06-20; individualCount: 1; sex: female; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

d. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Kuusamo; locality: Uopajanpuro; verbatimCoordinates: 7362617:3612763; verbatimCoordinateSystem: ykj; decimalLatitude: 66.335; decimalLongitude: 29.513; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2005-05-23/06-20; individualCount: 3; sex: 1 male, 2 females; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

e. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Kuusamo; locality: Uopaja; verbatimCoordinates: 7363447:3613209; verbatimCoordinateSystem: ykj; decimalLatitude: 66.343; decimalLongitude: 29.524; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2005-05-23/06-20; individualCount: 3; sex: males; recordedBy: Jukka

Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

f. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Kuusamo; locality: Merenoja; verbatimCoordinates: 7364088:3605383; verbatimCoordinateSystem: ykj; decimalLatitude: 66.351; decimalLongitude: 29.350; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2005-05-23/06-20; individualCount: 1; sex: male; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

g. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Kuusamo; locality: Kalliojoki; verbatimCoordinates: 7344909:3610594; verbatimCoordinateSystem: ykj; decimalLatitude: 66.177; decimalLongitude: 29.449; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2005-05-23/06-20; individualCount: 2; sex: males; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

h. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Kuusamo; locality: Putaanoja; verbatimCoordinates: 7367392:3608548; verbatimCoordinateSystem: ykj; decimalLatitude: 66.380; decimalLongitude: 29.423; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2005-05-23/06-20; individualCount: 2; sex: males; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

i. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Kuusamo; locality: Uopaja; verbatimCoordinates: 7363447:3613209; verbatimCoordinateSystem: ykj; decimalLatitude: 66.343; decimalLongitude: 29.524; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2005-05-23/06-20; individualCount: 2; sex: males; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

j. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Paavonoja; verbatimCoordinates: 7295643:3565726; verbatimCoordinateSystem: ykj; decimalLatitude: 65.748; decimalLongitude: 28.430; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2005-08-03/09/20; individualCount: 1; sex: male; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

k. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Hevosniitynoja; verbatimCoordinates: 7268926:3555642; verbatimCoordinateSystem: ykj; decimalLatitude: 65.511; decimalLongitude: 28.199; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 13; sex: 2 males, 11 females; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

l. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Horsmanoja; verbatimCoordinates: 7246144:3558778; verbatimCoordinateSystem: ykj; decimalLatitude: 65.306; decimalLongitude: 28.257; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 1; sex: female; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

m. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Syväoja; verbatimCoordinates: 7299627:3560581; verbatimCoordinateSystem: ykj; decimalLatitude: 65.785; decimalLongitude: 28.319; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 1; sex: female; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

n. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Säkkisenoja; verbatimCoordinates: 7280237:3534568; verbatimCoordinateSystem: ykj; decimalLatitude: 65.615; decimalLongitude: 27.746; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 1; sex: male; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

o. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Pahkaoja; verbatimCoordinates: 7281402:3560358; verbatimCoordinateSystem: ykj; decimalLatitude: 65.622; decimalLongitude: 28.306; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 1; sex: male; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

p. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Hurunoja; verbatimCoordinates: 7248770:3567830; verbatimCoordinateSystem: ykj; decimalLatitude: 65.328; decimalLongitude: 28.452; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 1; sex: female; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

q. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Pajuoja; verbatimCoordinates: 7254119:3564978; verbatimCoordinateSystem: ykj; decimalLatitude: 65.376; decimalLongitude: 28.393; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 1; sex: male; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

r. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks;

municipality: Taivalkoski; locality: Kylmäoja; verbatimCoordinates: 7275293:3554865; verbatimCoordinateSystem: ykj; decimalLatitude: 65.568; decimalLongitude: 28.185; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 6; sex: 1 male, 5 females; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

s. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Hevosniitynoja; verbatimCoordinates: 7268926:3555642; verbatimCoordinateSystem: ykj; decimalLatitude: 65.511; decimalLongitude: 28.199; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-08-1/09-15; individualCount: 2; sex: 1 male, 1 female; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

t. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Ks; municipality: Taivalkoski; locality: Syväoja; verbatimCoordinates: 7299627:3560581; verbatimCoordinateSystem: ykj; decimalLatitude: 65.785; decimalLongitude: 28.319; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-08-1/09-15; individualCount: 1; sex: male; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

u. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: PPe; municipality: Pudasjärvi; locality: Pelto-oja; verbatimCoordinates: 7243241:3547649; verbatimCoordinateSystem: ykj; decimalLatitude: 65.282; decimalLongitude: 28.017; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-08-1/09-15; individualCount: 1; sex: male; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

v. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Yrttijänkä; verbatimCoordinates: 7346833:3407825; verbatimCoordinateSystem: ykj; decimalLatitude: 66.200; decimalLongitude: 24.950; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2004-05-29/06-28; individualCount: 1; sex: male; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

w. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Piilola; verbatimCoordinates: 7347548:3406930; verbatimCoordinateSystem: ykj; decimalLatitude: 66.207; decimalLongitude: 24.929; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2004-05-29/06-28; individualCount: 1; sex: male; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

x. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Kn; municipality: Suomussalmi; locality: Toskanoja; verbatimCoordinates: 7237249:3555026; verbatimCoordinateSystem: ykj; decimalLatitude: 65.227; decimalLongitude: 28.173;

geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 4; sex: female; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

y. scientificName: *Campsicnemus femoratus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Ringdahl, 1949; country: Finland; stateProvince: Kn; municipality: Puolanka; locality: Paljakkaoja; verbatimCoordinates: 7233015:3551696; verbatimCoordinateSystem: ykj; decimalLatitude: 65.189; decimalLongitude: 28.100; geodeticDatum: WGS84; coordinatePrecision: 100; samplingProtocol: Malaise trap; eventDate: 2006-05-31/07-03; individualCount: 11; sex: female; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Previously known from Sweden and Russian East Siberia (Negrobov 1991, Ringdahl 1949).

Biology

C. femoratus is common and occasionally abundant along forest streams in the central boreal zone of Finland. Its rarity in museum collections is explained by the combination of a northern distribution, an early/late occurrence of the adults and a species-poor habitat often skipped by collectors of Dolichopodidae: the adults are on the wing in May and September when these forests may still have a partial snow cover.

Micromorphus claripennis (Strobl, 1899)

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=136047

Materials

a. scientificName: *Micromorphus claripennis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Strobl, 1899); country: Finland; stateProvince: V; municipality: Karjaa; locality: Mustio; verbatimCoordinates: 667368:332560; verbatimCoordinateSystem: ykj; decimalLatitude: 60.138; decimalLongitude: 23.858; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: sweep netting; eventDate: 2006-6-20; individualCount: 1; sex: male; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

b. scientificName: *Micromorphus claripennis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Strobl, 1899); country: Finland; stateProvince: V; municipality: Karjaa; locality: Mustio; verbatimCoordinates: 667368:332560; verbatimCoordinateSystem: ykj; decimalLatitude: 60.138; decimalLongitude: 23.858; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: sweep netting; eventDate: 2006-6-20; individualCount: 1; sex: male; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

c. scientificName: *Micromorphus claripennis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Strobl, 1899); country: Finland; stateProvince: V; municipality: Karjaa; locality: Mustio; verbatimCoordinates: 667368:332560; verbatimCoordinateSystem: ykj; decimalLatitude: 60.138; decimalLongitude: 23.858; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: sweep netting; eventDate: 2006-6-20; individualCount: 1; sex: female; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

d. scientificName: *Micromorphus claripennis*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: (Strobl, 1899); country: Finland; stateProvince: V; municipality: Karjaa; locality: Mustio; verbatimCoordinates: 667368:332560; verbatimCoordinateSystem: ykj; decimalLatitude: 60.138; decimalLongitude: 23.858; geodeticDatum: WGS84; coordinatePrecision: 50; samplingProtocol: sweep netting; eventDate: 2006-6-20; individualCount: 1; sex: female; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionID: http://id.luomus.fi/HR.110; institutionCode: MZH; collectionCode: Diptera Fennica; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Previously known from NW Russia, Germany and Spain (Bellstedt et al. 1999, Carles-Tolrá Hjort-Andersen 2002, Kahanpää and Winqvist 2005). As the European *Micromorphus* are in need of revision, the distribution of most species is poorly known.

Notes

Identified using Negrobov (2000).

Achalcus nigropunctatus Pollét & Brunhues, 1996

- Fauna Europaea http://www.faunaeur.org/full_results.php?id=135164

Materials

a. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: V; municipality: Karjaa; locality: Långån; verbatimCoordinates: 6665901:3321021; verbatimCoordinateSystem: ykj; decimalLatitude: 60.066; decimalLongitude: 23.782; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2007-05-59/07-10; individualCount: 20; sex: 9 males, 11 females; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

b. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: V; municipality: Karjaa; locality: Långån; verbatimCoordinates: 6665901:3321021; verbatimCoordinateSystem: ykj; decimalLatitude: 60.066; decimalLongitude: 23.782; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2007-07-10/08-04; individualCount: 8; sex: 4 males, 4 females; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

c. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: A; municipality: Eckerö; locality: Holmträsket; verbatimCoordinates: 670517:309246; verbatimCoordinateSystem: ykj; decimalLatitude: 60.253; decimalLongitude: 19.627; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2007-06-15/07-27; individualCount: 1; sex: male; recordedBy: Olli Autio; Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
d. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: A; municipality: Jomala; locality: Timmermyran; verbatimCoordinates: 668995:309847; verbatimCoordinateSystem: ykj; decimalLatitude: 60.123; decimalLongitude: 19.765; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2007-06-15/07-27; individualCount: 9; sex: 5 males, 4 females; recordedBy: Olli Autio; Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
e. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: A; municipality: Jomala; locality: Moren; verbatimCoordinates: 669462:310386; verbatimCoordinateSystem: ykj; decimalLatitude: 60.170; decimalLongitude: 19.852; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2007-06-15/07-27; individualCount: 1; sex: male; recordedBy: Olli Autio; Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
f. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: A; municipality: Hammarland; locality: Ängesjö; verbatimCoordinates: 670718:309841; verbatimCoordinateSystem: ykj; decimalLatitude: 60.276; decimalLongitude: 19.730; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2007-06-16/07-28; individualCount: 2; sex: males; recordedBy: Olli Autio; Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
g. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: InL; municipality: Inari; locality: Mustajuurakkojärveen laskeva puro; verbatimCoordinates: 7619338:3554361; verbatimCoordinateSystem: ykj; decimalLatitude: 68.652; decimalLongitude: 28.333; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2004-07-06/08-01; individualCount: 2; sex: males; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
h. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: InL; municipality: Inari; locality: Mustajuurakkojärveen laskeva puro; verbatimCoordinates: 7619338:3554361; verbatimCoordinateSystem: ykj; decimalLatitude: 68.652; decimalLongitude: 28.333; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2004-07-06/08-01; individualCount: 1; sex: males; recordedBy: Jukka Salmela; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen
i. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: EP;

municipality: Närpiö; locality: Hinjärvsträsket; verbatimCoordinates: 696456:320987; verbatimCoordinateSystem: ykj; decimalLatitude: 62.670; decimalLongitude: 21.330; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2005-07-01/27; individualCount: 3; sex: 1 male, 2 females; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

j. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: PPe; municipality: Liminka; locality: Virkkula; verbatimCoordinates: 719323:341985; verbatimCoordinateSystem: ykj; decimalLatitude: 64.827; decimalLongitude: 25.308; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2005-07-04/30; individualCount: 4; sex: 2 males, 2 females; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

k. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Keskipalo; verbatimCoordinates: 7344806:3415122; verbatimCoordinateSystem: ykj; decimalLatitude: 66.184; decimalLongitude: 25.113; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 2; sex: 1 male, 1 female; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

l. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: PPp; municipality: Tervola; locality: RuuttulampiIII; verbatimCoordinates: 7347734:3409699; verbatimCoordinateSystem: ykj; decimalLatitude: 66.209; decimalLongitude: 24.991; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 1; sex: male; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

m. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Sompujärvi NE2; verbatimCoordinates: 7320408:3414913; verbatimCoordinateSystem: ykj; decimalLatitude: 65.966; decimalLongitude: 25.125; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 1; sex: male; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

n. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: PPp; municipality: Tervola; locality: Karhakkamaa; verbatimCoordinates: 7346879:3415620; verbatimCoordinateSystem: ykj; decimalLatitude: 66.203; decimalLongitude: 25.123; geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2004-06-28/08-02; individualCount: 1; sex: male; recordedBy: Jukka Salmela; Jari Ilmonen; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

o. scientificName: *Achalcus nigropunctatus*; order: Diptera; family: Dolichopodidae; scientificNameAuthorship: Pollét & Brunhues, 1996; country: Finland; stateProvince: KP; municipality: Kruunupyy; locality: Hällörsfjärden; verbatimCoordinates: 707486:329832; verbatimCoordinateSystem: ykj; decimalLatitude: 63.717; decimalLongitude: 22.914;

geodeticDatum: WGS84; coordinatePrecision: 200; samplingProtocol: Malaise trap; eventDate: 2005-07-02/07-29; individualCount: 1; sex: male; recordedBy: Jere Kahanpää; identifiedBy: Jere Kahanpää; collectionCode: Priv. Coll. J. Kahanpää; basisOfRecord: PreservedSpecimen

Distribution

New to Finland. Previously found in the United Kingdom, Germany, Switzerland, France, the Czech Republic and Slovakia (Drake 2008, Pollet 2009, Pollet 2013).

Biology

Locally common on open seashore or lakeshore wetlands characterised by *Potentilla palustris* intermixed with large *Carex* species. Unlike *Achalcus flavicollis* (Meigen, 1824) and *Achalcus vaillanti* Brunhes, 1987, *A. nigropunctatus* is only rarely caught in pure *Phragmites* stands.

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